

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION**

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-112/HYD

**Mine code :** 38APR11013

- (i) Name of the Inspecting : **DP09** ) **D.P.Ravi kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S/Shri C.V.Ramanaiah, Mining Engineer and K.Nagaraju  
Official with  
Designation
- (iv) Date of Inspection : 22/05/2024
- (v) Prev.inspection date : 25/07/2016

**PART-I : GENERAL INFORMATION**

- 1. (a) **Mine Name** : **KANDIKAYAPALLI (43.72 AC)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : KANDIKAYAPALLI  
Taluka : NANDYAL  
Post office : CEMENT NAGAR  
Pin Code : 518206  
FAX No. : (08516)274644  
E-mail : Panyamcement@Gmail.com  
Phone : (08516)274644, (08514)-2:
- (f) Police Station : PANYAM
- (g) First opening date : 06/11/1985
- (h) Weekly day of rest : SUN
- 2. Address for  
correspondance : C I INDUSTRIAL ESTATE,BOMMALA SATRAM  
NANDYALA (PO)-518502,KURNOOL DI8ST  
ANDHRAPRADESH
- 3. (a) Lease Number : APR1478
- (b) Lease area : 17.69
- (c) Period of lease : 20
- (d) Date of Expiry : 04/11/2005
- 4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S PANYAM MINERALS & INDUSTRIES LTD  
KURNOOL ANDHRA PRADESH  
Phone:  
FAX :

Owner : S.SREEDHER REDDY  
C I INDUSTRIAL  
ESTATE,BOMMALASATRAM  
NANDYALA,KURNOOL DIST  
ANDHRAPRADESH KURNOOL  
ANDHRA PRADESH  
Phone: 08514-222274  
FAX : 08514-243106

Agent : SRI G.S. SAINATH  
PANYAM CEMENTS , CEMENT  
NAGAR KURNOOL DISTRICT  
ANDHRAPORADESH KURNOOL  
ANDHRA PRADESH  
Phone: 9949911411, 9440890504  
FAX : (08516) 274644

6. Date of approval of Mining : Renewal under rule 24 MCR1960 30/07/2008  
Plan/Scheme of Mining

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## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed during the year 2023-24	During the year 04 core boreholes were carried out with a total meterage of 287.5 Mtrs.	No comments to offer.
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2023-24.	During the year 04 core bore holes were drilled.The entire potentially mineralised area was covered under G1 scale.	The exploration activity was completed at entire potentially mineralised area was covered under G1 scale. But Geological report is not submitted. In this regard, a violation letter of rule 12(4B) of MCDR 2017 has been issued for non submission of Geological report.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	The exploration was carried out by M/s Natural Resources Development society Limited(NRDCS),Hyderabad and spent Expenditure : 4,74,750/-	No comments to offer.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	The entire potentially mineralised area is covered under G1 scale of exploration.	The entire potentially mineralised area is covered under G1 scale of exploration.
1e	Balance reserve as on 01/04/20		Balance reserves as on 01.04.2024 in 4.727 Million Tonnes)	No comments to offer.

1f	General remarks of inspecting officers on geology, exploration etc	The lessee has carried out exploration over entire potentially mineralised area under G1 scale.	The lessee has carried out exploration over entire potentially mineralised area under G1 scale. The ML area forms a part of Cuddapah basin comprising proterozoic rocks of Cuddapah Super group. Rocks of supergroup are overlain by Kurnool group of rocks.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to carry out the excavation of limestone at East - west part of the lease during the year 2023-24.	The excavation of the limestone being done from the site as proposed.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	none
2c	Stripping ratio or ore to OB ratio	As there is no OB,no stripping ratio calculated	None	Nil
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	No proposal for the year 2023-24	Nil	Nil

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2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The proposal was to excavate on East-West side of the lease by developing benches.	The development being done as proposed.	The benches are aligned in a general E-W direction and move up the Hill from North to South.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	None
3b	Quantity of ROM mineral production proposed	400000 tonnes	2,37,454 Tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	2,60,000 Tonnes	25,546 Tonnes	Nil
3d	Quantity of mineral reject generation	No proposals.	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposals	Nil	Nil
3f	Quantity of sub grade mineral generation.	-do-	Nil	Nil
3g	Grade of sub grade mineral generation	-do-	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method adopted for segregating from ROM	Mechanised method adopted for segregating from ROM	Nil

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and Blasting	Deep hole drilling and Blasting	Nil
3k	Provision of mining machineries in mineral benches	HEMM Proposed	Shovel -1 Blast Hole Drill-1 Explosive Van-1, Dozer-1 Air Compressor-1 Tippers-04 Water Tanker-01 (12 KLD)	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 9 meters.	Yes, 9 meters.	Nil
3m	Total area covered under excavation/pits	14.63 ha	14.63 ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	No Proposal	Nil	Nil
3o	Total area put in use under different heads at the end of year	14.63 ha.	14.63 ha.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2022-23: 99,433 MT 2023- 24:4,00,000 MT	2022-23: 20,000 MT 2023-24: 2,63,000 MT	Nil

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3q General remarks of inspecting officers on method of mining etc.

The mining operations are being carried out by open cast mechanised method using heavy Earth moving machinery.

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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no proposal of separate dumping of OB, Top Soil as there is no generation of OB is anticipated	There is no top soil. One OB dump and 3 sub grade dumps are lying in the North side of ML.	Nil
4b	Location of topsoil, OB and mineral reject dumps	No top soil dump and OB dump is proposed	North side of ML	Nil
4c	Number of dumps within lease area and outside of lease area	No such approved proposal	One OB dump and 3 sub grade dumps are within the lease area	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Beyond UPL	Nil
4e	Number of active and alive dumps.	Nil	One OB dump and 3 sub grade dumps	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Nil

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4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			No protective measures have been taken by the lessee for the waste dump. Lessee was advised to construct retaining wall and garland drain around the waste dump.

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal	No part of the lease area is completely exhausted and matured to start back fii.ling.	No part of the lease area is completely exhausted and matured to start back fii.ling.
5b	Area under backfilling of mined out area	No proposal	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not matured for reclamation and back filling.

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## Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual .report on PMCP to be submitted before due date	Submitted	Nil
6b	Area available for rehabilitation (ha) .	No area is available for rehabil.itatio n	Nil	Nil
6c	afforestation done (ha) .	0.25 ha	0.25 ha.	Nil
6d	No. of saplings planted during the year	100 nos. of saplings.	100 nos of saplings.	Nil
6e	Cumulative no .of plants	400 nos. of saplings.	400 nos. of saplings	Nil
6f	Any other method of rehabilitation	No proposal	Nil	Nil
6g	Cost incurred on watch and care during the year		As informed by the lessee Rs. 1,00, 000 was incurred on watch and care during the year.	As informed by the lessee Rs. 1,00, 000 was incurred on watch and care during the year.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposaf	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposals	Nil	Nil

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposals	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposals	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposals	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposals	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters.	Regular quarterly monitoring of environmental parameters being carried out and the all the parameters are within permissible limits.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.	No deviation.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed that entire mineral produced would be utilised in the cement plant of the lessee.	Same was noticed durning the inspection.	No deviation noticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There is no proposal for grade-wise sorting.	No such grade wise sorting was noticed.	No deviation noticed.
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines .	There is no proposal for any beneficiation at mines.	No beneficiation prcatise was noticed at the mines.	No deviation noticed.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There was no proposal for grade wise sorting or any other type of beneficiation at mines.	No such activities noticed durning the inspection.	No deviation noticed.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of seperate removal of Topsoil	No top soil is generated during the year 2023-24.	There is no deviation
8b	Concurrent use or storage of topsoil	No proposal	Nil	Nil

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is no Nil proposals- of Separate dumps for overburden, waste rock, rejects and fines	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal is given for phased restoration as no area is	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		During the inspection it was observed that except for the plantation made by lessee, no other type of vegetation was noticed.	No comments to offer.
8g	Survival rate	Survival Rate- 75 %	Survival Rate- 75 %	Nil
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	Same was noticed during the inspection	No deviation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is implementing all the measures related to maintaining environmental balance.	The over all aesthetic beauty can be rated as above average.

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## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R./ A.R to be submitted in time.	Monthly and Annual returns being submitted within the timelines.	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2023-24, Shri K.Nagaraja Rao, Geologist and Shri C.V Ramanaiah, Mining Engineer.	Same was confirmed during the inspection.	No deviation.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(1) Area already exploited and abandoned opencast(OC) workings=9.830 ha. (2) area used for waste disposal=0.520 ha. (3))Area occupied by Plant, Buildings residential, welfare buildings & roads=0.280 ha. (4) Area used for any orther purpose (specify) mineral storage=4.000 ha	The same was confirmed during the inspection.	No comments to offer.
9d	Scrutiny of Annual return on afforestation	100 nos. of saplings.	Same was noticed during the inspection.	No deviation.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	None

9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per the annual return 2023-24 , the limestone production is 263000 t.	Same was checked and verified during the inspection.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-mine price was reported as Rs.235 .20 per tonnes	The same was confirmed during the inspection.	No comments to offer.
9h	Scrutiny of Annual return on fixed assets	The fixed assets value reported as per 2023-24 annual return was Rs.474750/-	The same was not scrutinised.	No comments.
9k	Scrutiny of Annual return on mining machineries	The details of Mining machineries reported in the annual return 2023-24 are as follows:: (1)Tipper - 04 nos.(2) Water tanker - 1 no. (3) Explosive Van=1 no. (4) Dozer=1 no. (5)Shovel (Hydraulic)=01 no. (6) Blast host drill=01 no. (7) Air compressor=01 no.	Same were confirmed during the inspection.	No comments.

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 12(4)	03/06/2024			

**Date :****(D.P.Ravi kumar)**

Indian Bureau of Mines